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they correspond well. Though these belts thus appear to correspond to belts of folded strata, it is not, we believe, to be concluded that they are on this account the direct expression of the folding process, but are, on the contrary, a consequence of faulting much nearer to the surface.

The concluding chapters treat of the constitution of the earth's interior and of proper earthquake construction. When in accepting Professor Wiechert's supposed zones, composing the earth's core, the Count says that "the progress of observations can without doubt modify in some proportions the thickness of these diverse zones, but it is not probable that they should be later changed in any essential way, since this succession has been deduced from experiment without the intervention of theories or hypotheses," we believe he goes too far. In our belief there are several more or less unconscious hypotheses introduced in interpreting the earthquake diagrams which enter in an important way into the conclusions.

It will thus be seen that "Modern Seismology" is not a mere outline of the Count's larger manuals, but is written along original lines and is a valuable contribution to geophysics.

WILLIAM HERBERT HOBBS.

OTHER BOOKS RECEIVED

These notes do not preclude more extended reference later

NORTH AMERICA

PHILIPSE MANOR HALL AT YONKERS, N. Y. The Site, the Building, and Its Occupants. By Edward Hagaman Hall. 255 pp. Ills. American Scenic & Historic Preservation Society, New York, 1912. $7\frac{1}{2} \times 5$. [This delightful book gives the history and romance that centers in and around one of the most important American relics of seventeenth and eighteenth century times. It was here that Col. George Washington, who had won distinction in the French and Indian war, sought the hand of Mary Philipse, esteemed as one of the most beautiful and accomplished young women in the Colony of New York, only to learn that her promise had been given to Col. Roger Morris. Philipse Manor Hall is now maintained and preserved as an historic monument.]

BIRDS AND MAMMALS OF THE 1909 ALEXANDER ALASKA EXPEDITION. By Harry S. Swarth. 161 pp. Maps, illus. Univ. of California Publications in Zoology, Vol. 7, No. 2, 1911. Berkeley. $10\frac{1}{2} \times 7$. [The Expedition was sent out at the cost of Miss Annie M. Alexandre to explore parts of the Sitka district not covered by the expedition of 1907. Sixteen islands and six points on the mainland were visited. This report contains a report on the localities visited, check lists and descriptions of 137 birds and 27 mammals collected, and remarks on their distribution.]

REVIEW OF HISTORICAL PUBLICATIONS RELATING TO CANADA. University of Toronto Studies. Vol. 15, 1911, xi and 220 pp. Index. Publications of 1910. Vol. 16, 1912, xiii and 211 pp. Index. Publications of 1911. Edited by George M. Wrong and W. Stewart Wallace. University Press, Toronto. \$1.50 each. $10\frac{1}{2} \times 7$. [Well written reviews of current publications relating to Canada and treating of its history, economics, geography, statistics, archæology, ethnology, folk-lore, law, education and bibliography.]

THE YEAR BOOK OF BRITISH COLUMBIA AND MANUAL OF PROVINCIAL INFORMATION. By R. E. Gosnell. 358 pp. Ills., index. Published by Authority Legislative Assembly, B. C. Victoria, B. C., 1911. \$1. $8\frac{1}{2} \times 6$. [A work of reference in respect to matters of general interest relating to British Columbia.]

AMONG THE ESKIMOS OF LABRADOR. A Record of Five Years' Close Intercourse with the Eskimo Tribes of Labrador. By S. K. Hutton. xviii and 340 pp. Maps, illus. J. B. Lippincott Co., Philadelphia, 1912. \$3.50. 9×6 . [The book gives a plain picture of the Eskimos of Labrador, as the author saw them for years, in their homes, at their work, and on their hunting and other journeys. It embraces all phases of their life and describes their bleak habitat. Copiously illustrated with well-chosen photo-engravings.]

SOUTH AND CENTRAL AMERICA

NOTES DE VOYAGE DANS L'AMÉRIQUE DU SUD. Argentine-Uruguay-Brésil. Par G. Clemenceau. 273 pp. Hachette et Cie, Paris, 1911. Fr. 3.50. 7½ x 4½.
[The English Edition of this book was reviewed in the June *Bulletin*, pp. 455-6.]

DOCUMENTOS RELATIVOS Á LA CONTROVERSIAS DE LIMITES CON LA REPUBLICA DE PANAMÁ. 113 pp. Secretaría de Relaciones Exteriores. República de Costa Rica. San José, 1909.

THE ANTIQUITIES OF MANABI, ECUADOR. Final Report. By Marshall H. Saville. 284 pp. Map, illus. Contr. to South American Archeology, Vol. 2. The George G. Heye Expedition. New York, 1910. 13 x 10.

DÉTERMINATION DE L'ALTITUDE DU MONT HUASCARAN (ANDES DU PÉROU). Exécutée en 1909 sur la demande de Madame F. Bullock-Workman par la Société Générale d'Études et de Travaux Topographiques. Compte rendue de la Mission. 48 pp. Maps, illus. Henry Barrère, Paris, 1911. 15 x 11½.

AFRICA

LA FRANCE ET LA TURQUIE DANS LE SAHARA ORIENTAL. Par E. Rouard de Card. 55 pp. Maps. A. Pedone and J. Gamber, Paris, 1910. 10 x 6½. [The author is professor of law at the University of Toulouse. Since 1897 he has written much on the relations of France and Spain with the North Africa Countries. The present work is an historical relation of the expedition and operations of France and Turkey in the Eastern Sahara.]

ASIA

A HISTORY OF CIVILIZATION IN PALESTINE. By R. A. S. Macalister. Cambridge Manuals of Science and Literature. viii and 139 pp. Map, illus., index. G. P. Putnam's Sons, New York, 1912. 1s. 6½ x 5. [A very readable short history by the former Director of Excavations, Palestine Exploration Fund.]

SPORT ON THE NILGIRIS AND IN WYNAAD. By F. W. F. Fletcher. xvii and 455 pp. Map, illus., appendices. Macmillan Co., New York, 1911. \$3.75. 9 x 6. [A good account of the game animals and the chase in a large mountain district in the southwestern part of India, including the elephant, tiger, leopard, bison, bear, wild goat, sambur, deer, wild dog and other game. The book is especially noteworthy for its careful and interesting descriptions of the habits of the animals hunted.]

THE RAILWAYS OF JAPAN. 72 pp. Maps, illus. Director, General Administration Dept., Imperial Government Railways of Japan. Tokio. 10½ x 14½. [An official account of the railroads of Japan, with full text of the railroad law. Finely illustrated.]

IMPERIAL GOVERNMENT RAILWAYS OF JAPAN. (Also private Railways in Japan and the South Manchuria Railways.) Annual Report for the Year ended March 31st, 1909. 35 pp. of text. 136 pp. of tables and diagrams. Maps. Kondo Shoten Press, Tokyo. 12 x 8½.

TRAVELS AND STUDIES IN THE NEARER EAST. By A. T. Olmstead, B. B. Charles and J. E. Wrench. Vol. I, Part II: Hittite Inscriptions. 49 pp. Ills. Cornell Expedition to Asia Minor and the Assyro-Babylonian Orient. Andrus & Church, Ithaca, N. Y. \$1.50. 12½ x 9½.

AUSTRALIA

DIE TOTEMISTISCHEN KULTE DER ARANDA- UND LORITJA-STÄMME. II. Abteilung: Die Totemistischen Kulte des Loritja-Stammes. Dargestellt von Carl Strehlow. 75 pp. Ills. *Veröffentl. aus dem Städtischen Völker-Museum, Frankfurt am Main*. Joseph Baer & Co., 1911. Mk. 12. 11 x 8½

EUROPE

EUROPA'S CHILDHOOD AND GROWTH; an Historical Geography of Europe. By A. J. Berry. 281 pp. Ills. Sir Isaac Pitman & Sons, Ltd., London, 1912. 2s. 7 x 5. [A reader for young students.]

THE MAKING OF LONDON. By Sir Laurence Gomme. 255 pp. Ills., index. Clarendon Press, Oxford, 1912. \$1.15. 7½ x 5. [A lucid and able account of the evolution of London from prehistoric times, as very dimly revealed by finds

dug out of London's site, to the present Empire City. The work is not only solid but also full of interest and information for the general reader.]

BUCKINGHAMSHIRE. By A. Morley Davies. xii and 222 pp. MIDLOTHIAN. By Alex. McCallum. x and 208 pp. NORTHAMPTONSHIRE. By M. W. Brown. xii and 215 pp. Maps and ills. in each. Cambridge County Geographies. G. P. Putnam's Sons, New York, 1911. 45 cents each. $7\frac{1}{2} \times 5$ each.

DIE DEUTSCHEN ORTSNAMEN IM NORDOSTDEUTSCHEN KOLONIALGEBIET. Von Prof. Dr. F. Curschmann. Forschungen zur deutschen Landes- und Volkskunde, Vol. 19, No. 2, pp. 93-183. J. Engelhorn, Stuttgart, 1910. Mk. 5. $9 \times 6\frac{1}{2}$. [A study of place names in North East Germany from the earliest recorded German migration into that territory.]

THE RUSSIAN YEAR-BOOK FOR 1912. Compiled and Edited by Howard P. Kennard, assisted by Netta Peacock. xx and 822 pp. Map, ill. Eyre & Spottiswoode, Ltd., London, 1912. 10s. 6d. $8 \times 5\frac{1}{2}$. [The second issue of this year-book. This new source of information about Russia deserves the encouragement and support of all who are interested in the resources and activities of the Russian Empire. On p. 768 is a scheme of two alphabets for transliteration into English. Russia's trade is voluminously treated but not adequately as relates to the United States.]

PREHISTORIC THESSALY. Being Some Account of Recent Excavations and Explorations in North-Eastern Greece from Lake Kopais to the Borders of Macedonia. By A. J. B. Wace and M. S. Thompson. xv and 272 pp. Map, ills., appendices, index. University Press, Cambridge, 1912. 18s. $12 \times 9\frac{1}{2}$. [The volume collects all the archaeological evidence as yet available for the prehistoric period in N. E. Greece.]

LA SISMICITÀ ALL' ISOLA DI USTICA E IL PERIODO MARZO-APRILE 1906. Per G. Martinelli. Estratto dagli *Ann. dell' Ufficio Centrale Meteorol. e Geodinamico Italiano*, Vol. 30, Part 1. 16 pp. Ills. Giovanni Bertero, Rome, 1910. $13 \times 9\frac{1}{2}$.

CRIMEA. By E. N. Orlowska. In Russian. 211 pp. Map, ills. J. D. Sytin, Moscow, 1911. Ruble 0.50. $9 \times 5\frac{1}{2}$.

THE VOLGA. By A. Lepesynski and B. Dobrynin. Edited by A. A. Kruber. In Russian. 279 pp. Map, ills. J. D. Sytin, Moscow, 1911. Ruble 0.50. 9×6 .

PHYSICAL GEOGRAPHY

THE ORIGIN OF EARTHQUAKES. By Charles Davison. Cambridge Manuals of Science and Literature. viii and 144 pp. Maps, ills., index. G. P. Putnam's Sons, New York, 1912. 1s. $6\frac{1}{2} \times 5$. [Considers the origin of different classes of earthquakes and fully describes one or two types of each.]

ROCKS AND THEIR ORIGINS. By Grenville A. J. Cole. Cambridge Manuals of Science and Literature. viii and 175 pp. Ills., index. G. P. Putnam's Sons, New York, 1912. 1s. $6\frac{1}{2} \times 5$. [For the general reader. Tells about rocks in general, lists the common rocks that form them and has chapters on the limestones, sandstones, clays, shales, slates and igneous and metamorphic rocks. A useful little book. Those who read it carefully will find more intelligent enjoyment in observing rocks, whose study is an important branch of natural history.]

STUDIES IN TERRESTRIAL MAGNETISM. By C. Chree. Macmillan's Science Monographs. xii and 206 pp. Diagrams, index. Macmillan Co., New York, 1912. \$1.60. $9\frac{1}{2} \times 6$. [A book for the specialist, giving a connected account of this distinguished authority's own original work in Terrestrial Magnetism and referring to the work of others only as far as is necessary.]

PHYSICAL GEOGRAPHY FOR SOUTH AFRICAN SCHOOLS. By Alex. L. du Toit. xii and 250 pp. Maps, ills., index. G. P. Putnam's Sons, New York, 1912. \$1.40. $7\frac{1}{2} \times 5\frac{1}{2}$. [An excellent little work supplying a concise account of the processes of physical geography, the phenomena being especially illustrated by South African examples.]

GENERAL

DIE BERGZEICHNUNG AUF DEN ÄLTEREN KARTEN. Ihr Verhältnis zur darstellenden Kunst. Von Joseph Röger. iii and 80 pp. Ills. Theodor Riedels Buchhandlung, München, 1910. Mk. 2.50. $8 \times 5\frac{1}{2}$. [An interesting study of the development of the representation of mountain forms on early maps.]

TABLES FOR THE PROJECTION OF GRATICULES FOR MAPS ON THE SCALE OF 1:1,000,000. Prepared by the Geographical Section of the General Staff, War Office. 6 pp. London, 1910. 10½ x 7.

AUF EISBÄREN UND MOSCHUSOCHSEN. Tagebuchblätter der Jagderlebnisse in Ostgrönland. Von Rudolf Kmunke. x and 122 pp. Map, ills. Wilhelm Frick, Wien, 1910. Mk. 10. 10 x 7½. [A spirited account of the author's hunting adventures in the waters of Greenland Sea and along the East coast of Greenland.]

THE SWEET POTATO. By B. H. A. Groth. *Contr. from Botan. Laboratory of the Univ. of Pennsylvania*, Vol. 4, No. 1. 104 pp. Ills. Univ. of Pennsylvania, 1911. 10 x 7.

CURRENT GEOGRAPHICAL PAPERS

NORTH AMERICA

UNSTEAD, J. F. The Climatic Limits of Wheat Cultivation, with Special Reference to North America. Map, diagrams. *Geogr. Journ.*, Vol. 39, 1912, No. 4, pp. 347-366, No. 5, pp. 421-446.

United States

ATWOOD, W. W. A Geographic Study of the Mesa Verde. Plan. *Annals Assoc. Amer. Geogr.*, Vol. 1, 1911, pp. 95-100.

BARROWS, H. K., AND C. C. BABB. Water Resources of the Penobscot R. Basin, Me. 285 pp. Maps, ills. *Wat. Supp. Pap.* 279, U. S. Geol. Surv., 1912.

BENT, A. C. Notes on Birds . . during a brief Visit to the Aleutian Is. and Bering Sea in 1911. 29 pp. *Smiths. Misc. Coll.*, Vol. 56, No. 32. 1912.

BLACKWELDER, E. A Reconnaissance of the Phosphate Deposits in Western Wyoming. Maps, geol. sec. *Bull.* 470, U. S. Geol. Surv. pp. 452-481. 1911.

BLAIR, W. R. Free Air Data. Sounding Balloon Ascensions at Indianapolis, Omaha, and Huron. Maps, diagrams. *Bull. Mt. Weather Observ.*, Vol. 4, 1912, Part 4, pp. 183-304.

BURR, G. L. New England's Place in the History of Witchcraft. *Proc. Amer. Antiquar. Soc.*, Vol. 21, 1911, Part 2, pp. 185-217.

CLARK, W. B. Summary Final Report on the Work of the Highway Division of the Maryland Geological Survey 1898-1910. Map. *Maryl. Geol. Surv.*, Vol. 9, 1911, pp. 81-120.

CLARK, W. B., A. B. BIBBINS, AND E. W. BERRY. The Lower Cretaceous Deposits of Maryland. 622 pp. Maps, ills., index. *Maryl. Geol. Surv.*, 1911.

CLARK, W. E. Annual Report of Governor of Alaska on Alaska Game Law 1911. 12 pp. *Circ. No. 85, Bur. Biol. Surv.*, U. S. Dept. Agric., 1912.

COMSTOCK, C. W. Water Supply of Colorado. *Proc. Colo. Sci. Soc.*, Vol. 10, 1912, Reports 1-8, pp. 123-129. Denver.

CRAWFORD, R. D. Preliminary Report on Geology of the Monarch Mining District, Chaffee Co., Col. 78 pp. Maps, ills., index. *Colo. Geol. Surv., Bull.* 1, 1909. Denver, 1910.

CROSBY, W. W. Third Report on State Highway Construction from Jan. 1, 1908, to Jan. 1, 1910. Map, ills. *Maryl. Geol. Surv.*, Vol. 9, 1911, pp. 33-77.

DALE, T. N. Supplementary Notes on the Commercial Granites of Mass. Map, diagrams. *Bull.* 470, U. S. Geol. Surv. pp. 240-288. 1911.

LAMB, W. A., W. B. FREEMAN, AND F. F. HENSHAW. Surface Water Supply of U. S. 1909. Part VI. Missouri River Basin. 291 pp. Ills., index. *Wat. Supp. Pap.* 266, U. S. Geol. Surv., 1911.

LEE, W. T. Extinct Volcanoes of Northeast New Mexico. Ills. *Amer. Forestr.*, June, 1912. pp. 357-365.

LOGAN, W. N. Structural Materials of Mississippi. Prelim. Rept. 78 pp. Ills. *Bull. No. 9 Miss. State Geol. Surv.*, 1911.